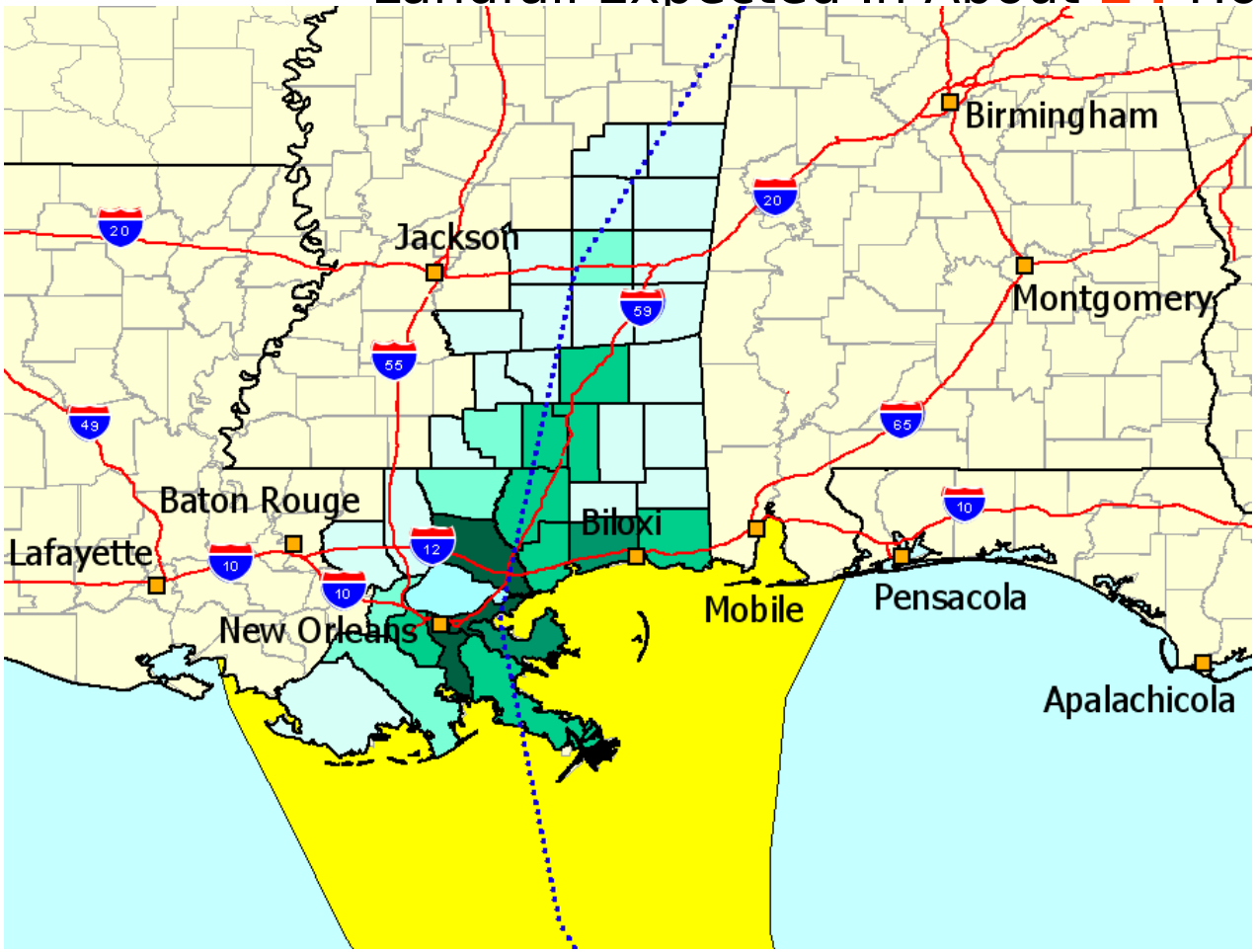
# Hurricane Katrina Ice Model

## Landfall Expected In About **24** Hours

**For Official Use Only!**




### *Most Probable Landfall Ice Model Results*

Louisiana –
26 Truckloads Day One
52 Truckloads Day Two
104 Truckloads Day Three

Mississippi –
14 Truckloads Day One
28 Truckloads Day Two
56 Truckloads Day Three

*Model results per county on following page*

This model is based on a Category 4 storm

Information provided on this page displays a Category 4 storm making landfall near New Orleans, LA. These projections are based on information from the NHC ***(0500 EDT 08/28/2005)*** forecast. The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per day per person) and Ice SME input and represents a first day daily need.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

**Hurricane Katrina Ice Model**

**Generated By:**
Terry Siemsen, LRL 0600 EDT 08/28/2005

**Sources:**
HURREVAC
LRL-DEBRIS

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**Ice/Water Commodities - Trucks/Distribution Lanes Ramp-up**
**(Number of Trucks Each Commodity and Lanes Anticipated - end of each day)**

| | Day One (25%)* | Day Two (50%)* | Day Three (100%)* | Commodity Trucks Day 1-3 Total | Within Hurricane Force Winds Population | Households |
|---|---|---|---|---|---|---|
| **NHC Forecast Track** | | | | | | |
| Louisiana | 26 | 52 | 104 | 182 | 1,303,000 | 492,000 |
| Mississippi | 14 | 28 | 56 | 98 | 702,000 | 262,000 |
| **Total** | **40** | **80** | **160** | **280** | **2,005,000** | **754,000** |

**Key assumption is that establishment of distribution lanes will be the limiting factor.**

* Assumption is that States/locals (FL is the * exception) will have the capability to establish about 25% of needed distribution lanes in the first 24 hours post-landfall, about 50% of needed distribution lanes in the first 48 hours after landfall, and all needed lanes by 72 hours post landfall. Florida, due to past experience, estimates they can establish up to 50 distribution lanes per day.

** **Assumption for Katrina** - Assumption is that 40 percent of the resident population will require ice/water due to power outages in areas experiencing hurricane force winds

The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per person) and Ice SME input and represents a first day daily need. The assumption in this scenario is that 40% of the resident population affected by Katrina will have power outage in this area will cause a need for ice.

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